

CLAIMS

1. A chemical volatilization device for rotating a chemical retainer made of fibers as a material with a rotary drive device based on employing a chemical retainer, wherein, together with arranging chemical-retaining fibers in the form of a regular mesh in two-dimensional directions (hereinafter simply referred to as "mesh-like chemical-retaining fibers") on both the upper and lower sides of the chemical retainer, a plurality of chemical-retaining fibers are arranged between the mesh-like chemical-retaining fibers on the upper and lower sides formed in individual mesh units, which support and connect the chemical-retaining fibers on both the upper and lower sides at a predetermined interval (hereinafter simply referred to as "supportive connecting chemical-retaining fibers") as a result of having bending elasticity.
2. The chemical volatilization device according to claim 1, wherein the mesh-like chemical-retaining fibers are in the form of twisted threads.
3. The chemical volatilization device according to claim 1 or 2, wherein the supportive connecting chemical-retaining fibers form a columnar structure as a result of being arranged roughly in parallel in the vertical direction.
4. The chemical volatilization device according to claim 1 or 2, wherein the supportive connecting chemical-retaining fibers form a diagonal structure as a result of being arranged in the state of intersecting on an angle in the vertical direction.
5. The chemical volatilization device according to claim 4, wherein the diagonal structure is formed so as to connect sides or apices together located on the same side

based on all four directions in mesh units corresponding to the upper and lower sides.

6. The chemical volatilization device according to claim 4, wherein the diagonal structure is formed so as to connect sides or apices together located on opposite sides based on all four directions in mesh units corresponding to the upper and lower sides.

7. The chemical volatilization device according to claim 1 or 2, wherein the supportive connecting chemical-retaining fibers form a columnar structure by being arranged roughly in parallel in the vertical direction, and form a diagonal structure by being arranged in the state of intersecting on an angle in the vertical direction.

8. The chemical volatilization device according to claim 7, wherein the diagonal structure is formed so as to connect sides or apices together located on the same side based on all four directions in mesh units corresponding to the upper and lower sides.

9. The chemical volatilization device according to claim 7, wherein the diagonal structure is formed so as to connect sides or apices together located on opposite sides based on all four directions in mesh units corresponding to the upper and lower sides.

10. The chemical volatilization device according to claim 1, wherein small gap chemical-retaining fibers, which have a smaller gap than the mesh, and which are connected to the mesh-like chemical-retaining fibers on both sides, are arranged between the mesh-like chemical-retaining fibers on the upper and lower sides.

11. The chemical volatilization device according to claim 1, wherein a plurality of chemical retainers consisting of the mesh-like chemical-retaining fibers arranged on the upper and lower sides and the supportive connecting

chemical-retaining fibers arranged therebetween are overlapped.

12. The chemical volatilization device according to claim 3, wherein the distance between the mesh-like chemical-retaining fibers on both sides is 1.0 to 10.0 mm.

13. The chemical volatilization device according to claim 1, wherein the chemical retainer is housed by a protective case, which surrounds the upper and lower sides of the chemical retainer with an upper portion and lower portion, respectively and surrounds the outer circumference with a plurality of retaining frames, and of which a bearing located in the center is able to engage with a rotating shaft of the rotary drive device.